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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/649,938	08/27/2003	Daniel John Smith	1171/39464A/99A- 6085	
279	7590 09/21/200	5	EXAMINER	
TREXLER, BUSHNELL, GIANGIORGI,			PATEL, NIHIR B	
	BLACKSTONE & MARR, LTD. 105 WEST ADAMS STREET SUITE 3600			PAPER NUMBER
				3743
CHICAGO, IL 60603			DATE MAILED: 09/21/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	10/649,938	SMITH ET AL.				
Office Action Summary	Examiner	Art Unit				
	Nihir Patel	3743				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 07.14	1 <u>.2006</u> .					
a) This action is FINAL . 2b) ⊠ This action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.				
Disposition of Claims						
 4) Claim(s) 1-10 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) 1,3,5 and 6 is/are rejected. 7) Claim(s) 2,4 and 7-10 is/are objected to. 8) Claim(s) are subject to restriction and/or 	vn from consideration.					
Application Papers	·					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the drawing(s) be held in abeyance. Se ion is required if the drawing(s) is ob	ee 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 08.18.2006.	4) Interview Summar Paper No(s)/Mail D 5) Notice of Informal 6) Other:	Date				

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1, 3, 5 and 6 are rejected under 35 U.S.C. 102(b) as being anticipated by Kirkpatrick (US 3,677,329).
- 3. As to claim 1, Kirkpatrick teaches an annular heat pipe that includes an inlet, an outlet, an enclosing wall defining a gases passageway between the inlet and outlet, at least a region of the enclosing wall being of a material that allows the passage of water vapor without allowing the passage of liquid water or respiratory gases, and a heating means located within the limb, the heating means comprising an elongate heating element (see figures 1 and 3).
- 4. As to claim 3, Kirkpatrick teaches an apparatus wherein the heating means lies freely in the limb to settle over at least some of its length at low points in the limb where condensed water vapor may collect (see figures 1 and 3).
- 5. As to claims 5 and 6, Kirkpatrick teaches an apparatus that includes an inner conduit having an inlet, outlet and enclosing wall; an outer conduit having a second inlet, outlet, the inner conduit located within the outer conduit, the inlet of the inner conduit and the second outlet of the outer conduit being located at a first end of the limb, and the outlet of the inner conduit and the second inlet of the outer conduit being located at a second end of the limb, and the

Application/Control Number: 10/649,938

Art Unit: 3743

heating means is located in a space between the inner conduit and the outer conduit (see figures

Page 3

1 and 3).

Allowable Subject Matter

6. Claims 2, 4 and 7-10 are objected to as being dependent upon a rejected base claim, but

would be allowable if rewritten in independent form including all of the limitations of the base

claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Nihir Patel whose telephone number is (571) 272-4803. The

examiner can normally be reached on 7:30 to 4:30 every other Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Henry Bennett can be reached on (571) 272-4791. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

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like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1090.

Nihir Patel

Henry Sennett

Group 3700